

Safety data sheet
COMMISSION REGULATION (EU) No 453/2010 of 20
May 2010 amending Regulation (EC) No 1907/2006

Printing date 26.06.2015

Revision: 26.06.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **Trade name: CP 20 Blue**
- **Registration number** The product is a preparation so the ingredients are pre-registered.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** It is used as a Ink in industry
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Smoothline Writing Inst. Pvt. Ltd.
607, Neelkanth Corporate Park, 6th flr, Kirol Road,
Vidhyavihar (West), Mumbai – 400086. INDIA
- **Further information obtainable from:**
Tel: +91-22-2502 1600/1700/1800
Fax:- +91-22-2556 8088
Email:- smoothline@mtnl.net.in
Website:- www.smoothlineinks.com
- **1.4 Emergency telephone number:**
Contact details of European importer
Emergency telephone number:
Telephone number of EU importer:
Opening hours:
Other Comments (e.g. language(s) of the phone service): English

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36/38: Irritating to eyes and skin.

- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

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· Hazard pictograms



GHS07

· Signal word Warning

· Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P362 Take off contaminated clothing and wash before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description: Mixture: consisting of the following components:

· Dangerous and Non-dangerous components:

CAS: 122-99-6 EINECS: 204-589-7	2-Phenoxyethanol ☒ Xn R22; ☒ Xi R36 ☠ Acute Tox. 4, H302; Eye Irrit. 2, H319	37-43%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol ☒ Xn R20/22 ☠ Acute Tox. 4, H302; Acute Tox. 4, H332	7-12%
CAS: 110-98-5 EINECS: 203-821-4	1,1'-oxydipropan-2-ol ☒ Xi R36/38 ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	4-7%

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CAS: 112-80-1 EINECS: 204-007-1	oleic acid, pure  Xi R36/38  Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.5-2%
CAS: 90506-69-7 EINECS: 291-933-4	Phosphoric acid, mono- and bis(2-ethylhexyl) esters  C R34  Skin Corr. 1B, H314	1- 5%
CAS: 111-90-0 EINECS: 203-919-7	2-(2-ethoxyethoxy)ethanol	1-3%
CAS: 9003-39-8	Polyvinyl pyrrolidone	0-0.5%
CAS: 25054-06-2	Synthetic Ketonic Resin	25-32%
CAS: 596-49-6	Ethyl Violet Base	7-12%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information:** Remove contaminated clothes. Consult a doctor immediately.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

Skin: Causes Skin irritation

Eye: Causes eye irritation

· **Information for doctor:** Treat symptomatically and supportively.

· 4.3 Indication of any immediate medical attention and special treatment needed

Follow instructions given above in skin and eye contact.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

· **For safety reasons unsuitable extinguishing agents:** oxidizing agent

· 5.2 Special hazards arising from the substance or mixture Carbon oxides

· 5.3 Advice for firefighters

· **Protective equipment:**

Fire fighters should wear positive self contained breathing apparatus.

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Wear fully protective suit.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Avoid contact with eyes and skin.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
- **Information about fire - and explosion protection:**
Store away from heat, sparks, flame, combustible materials.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep container tightly closed in a dry and well-ventilated place. Store in cool place.
- **Information about storage in one common storage facility:**
Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:**
Store away from moisture. Store in cool and dry place.
Keep container tightly sealed.
- **7.3 Specific end use(s)** It is used as a Ink in industry

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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· **8.1 Control parameters**· **Ingredients with limit values that require monitoring at the workplace:****122-99-6 2-Phenoxyethanol (40.00%)**

Austria -(OELs)	MAK-TMW 20 ppm (110 mg/m ³);KZW 20 ppm (110 mg/m ³), skin, 2007
Finland-(OELs)	TWA 20 ppm (110 mg/m ³), STEL 50 ppm (290 mg/m ³), skin, NOV2011
Germany-(OELs)	MAK 20 ppm (110 mg/m ³), skin, 2011
The Netherlands((OELs)	MAC-TGG 110 mg/m ³ , 2003

100-51-6 Benzyl alcohol (9.50%)Finland(OELs)- TWA 10 ppm(45 mg/m³) NOV 2011· **8.2 Exposure controls**· **Personal protective equipment:**

- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	205 °C

· **Flash point:** 101 °C· **Ignition temperature:** 435 °C· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Vapour pressure at 20 °C:** 0.1 hPa· **Density:** Not determined.· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **9.2 Other information** No further relevant information available.**SECTION 10: Stability and reactivity**· **10.1 Reactivity**· **10.2 Chemical stability**· **Thermal decomposition / conditions to be avoided:**

Keep away from ignition sources, heat and naked flame.

· **10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidising agents.· **10.4 Conditions to avoid** Incompatible materials· **10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.

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- **10.6 Hazardous decomposition products:**
 Hazardous decomposition products formed under fire conditions. - Carbon oxides

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

122-99-6 2-Phenoxyethanol

Dermal	LD50	14391 mg/kg bw (rat)
Inhalative	LC50	> 1000 mg/m ³ air (nominal) (rat(Wistar)male/female)

111-90-0 2-(2-ethoxyethoxy)ethanol

Oral	LD50	6031 mg/kg bw (mouse)
Dermal	LD50	9143 mg/kg bw (rabbit)

- **Primary irritant effect:**

- **on the skin:**

Skin irritation:

CAS No. 110-98-5

Administration of 500 uL/24H of Di Propylene Glycol onto the skin rabbit causes moderate irritating effect.

CAS No.112-80-1

Administration of 500 mg of Oleic Acid onto the skin of rabbit causes mild irritant effect

- **on the eye:**

Eye irritation:

CAS No.122-99-6

Animal/Species:Vienna White rabbit

cornea score:1.7

chemosis score:1.3

iris score:0.7

Result:Irritating to eyes

CAS No.110-98-5

Administration of 500 mg of Di Propylene Glycol onto the eye of the rabbits causes mild irritating effect

- **Sensitisation:** Not sensitising

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

122-99-6 2-Phenoxyethanol

EC50(48-h)	> 500 mg/L (Daphnia magna)
EC50(72-h)	> 500 mg/L (Algae)
LC50(96-h)	344 mg/lit (Pimephales Promelas (Fathead Minnow))

100-51-6 Benzyl alcohol

EC50(48-h)	230 mg/L (Daphnia magna)
EC50(72-h)	770 mg/L (Algae)
LC50(96-h)	460 mg/L (Fish Pimephales promelas)

111-90-0 2-(2-ethoxyethoxy)ethanol

EC50(72-h)	14861 mg/L (Algae)
LC50(48-h)	1982 mg/L (Aquatic invertebrate)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· Additional ecological information:

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Observe all federal, state, and local environmental regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

08 03: wastes from Manufacture, Formulation, Supply and Use (MFSU) of printing inks

· Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

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SECTION 14: Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Not applicable
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Not applicable
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Not applicable
· 14.4 Packing group · ADR, IMDG, IATA	Not applicable
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P321 Specific treatment (see on this label).
 P362 Take off contaminated clothing and wash before reuse.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.

- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
 User to follow national laws and regulations.
- **15.2 Chemical safety assessment:**
 A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.

R20/22 Harmful by inhalation and if swallowed.
 R22 Harmful if swallowed.
 R34 Causes burns.
 R36 Irritating to eyes.
 R36/38 Irritating to eyes and skin.

- **Department issuing MSDS:** Product safety department.

- **Contact:**

Tel: +91-22-2502 1600/1700/1800
 Fax:- +91-22-2556 8088
 Email:- smoothline@mtnl.net.in
 Website:- www.smoothlineinks.com

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organisation
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

ECHA registered dossier for CAS No. 122-99-6

<http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249/AGGR-58d78ec7-6ad1-441f-a966-a23530e9ee03> DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249.html

ECHA registered dossier for CAS No. 111-90-0

<http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d828fb4-1e4f-6452-e044-00144f67d249/DISS-9d828fb4-1e4f-6452-e044-00144f67d249> DISS-9d828fb4-1e4f-6452-e044-00144f67d249.html

RTECS for CAS No. 110-98-5

<http://www.expub.com/Members/DocumentViewer.aspx?key=6811694&pc=172281D091B640f39AAA7AD75B2E04C6&st=RTECS> for CAS No. 112-80-1

<http://www.expub.com/Members/DocumentViewer.aspx?key=6784985&pc=172281D091B640f39AAA7AD75B2E04C6&st=ECHA-Registered> dossier CAS No. 100-51-6

<http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9b1369-7454-687c-e044-00144f67d249/AGGR-ca164a51-b607-4860-9da9-098ed1ed1856> DISS-9d9b1369-7454-687c-e044-00144f67d249.html

*** Data compared to the previous version altered.**

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